

76th Annual New England, New York and Canadian Fruit Pest Management Workshop

Follow-up Observations on the Extensive Fruit Russetting Experienced Throughout the Northeast in 2013

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Generalized fruit russetting - 2013





Fontelis phytotoxicity? - 2013





MANA Captan Gold - 2013

Trt #	Product	Rate /acre
1	Captan Gold	2.5 #
2	Captan Gold	5.0 #
3	Polyram 80DF	6.0 #
4	Pristine	18.5 oz
5	Flint	2.5 oz
6	Fontelis	20 fl oz
7	UTC	NA



Treatments were applied at 50 GPA on 5/1, 5/7, 5/14, 5/22 and 5/28

Russetting scale - 2013



Results – MANA Captan Gold - 2013

TRT #	Product	Rate/acre		% Incidence		Severity	
1	Captan Gold	2.5 #		9.0	bc	0.14	bc
2	Captan Gold	5.0 #		23.5	a	0.35	a
3	Polyram 80DF	6.0 #		9.5	b	0.17	b
4	Pristine	18.5 oz		5.0	bc	0.08	c
5	Flint	2.5 oz		4.5	c	0.06	c
6	Fontelis	20 fl oz		8.5	bc	0.14	bc
7	UTC	NA		4.5	c	0.07	c

Captan Gold (5 #/acre) - 2013



Untreated control - 2013



Goals for 2014

- 1) attempt to replicate 2013 results with Captan Gold
- 2) evaluate products from other Captan formulators
- 3) investigate potential for phytotoxicity from tank-mixing Captan with Fontelis

Protocol - 2014

Trt #	Product	Rate/acre	Date
1	Captan Gold (ADAMA)	2.5 #	4/30, 5/7, 5/14, 5/21, 5/28, 6/3
2	Captan Gold (ADAMA)	5 #	4/30, 5/7, 5/14, 5/21, 5/28, 6/3
3	Captan 80WDG (Red Eagle)	5 #	4/30, 5/7, 5/14, 5/21, 5/28, 6/3
4	Captan 80WDG (Albaugh)	5 #	4/30, 5/7, 5/14, 5/21, 5/28, 6/3
5	Manzate Pro-Stick	5 #	4/30, 5/7
	Fontelis + Captan 80WDG (ADAMA)	16 fl oz +2 #	5/14, 5/21
	Manzate Pro-Stick	5 #	5/28, 6/3
6	Manzate Pro-Stick	5 #	4/30, 5/7, 5/14, 5/21
	Fontelis + Captan 80WDG (ADAMA)	16 fl oz + 2 #	5/28, 6/3
7	UTC	NA	NA

Russetting Results- 2014

Trt	Product	Rate/acre	Date	I	S
1	Captan Gold (ADAMA)	2.5 #	6 sprays	5.0 a	0.07 a
2	Captan Gold (ADAMA)	5 #	6 sprays	3.5 a	0.05 a
3	Captan 80WDG (Red Eagle)	5 #	6 sprays	3.5 a	0.05 a
4	Captan 80WDG (Albaugh)	5 #	6 sprays	4.5 a	0.06 a
5	Manzate Pro-Stick	5 #	4/30, 5/7	5.0 a	0.07 a
	Fontelis + Captan 80WDG (ADAMA)	16 fl oz + 2 #	5/14, 5/21		
	Manzate Pro-Stick	5 #	5/28, 6/3		
6	Manzate Pro-Stick	5 #	4/30, 5/7, 5/14, 5/21	5.0 a	0.12 a
	Fontelis + Captan 80WDG (ADAMA)	16 fl oz + 2 #	5/28, 6/3		
7	UTC	NA	NA	5.5 a	0.09 a

Phytotoxicity on Ruby Max- 2013



Adjacent unaffected “Mac” tree

